polynucleotide having the sequence as shown in FIG. 2 (SEQ ID NO. 1), from nucleotide residue number 735 through nucleotide residue number 1949, wherein T can also be U; (c) a polynucleotide encoding a PHELIX polypeptide whose sequence is encoded by the cDNA contained in the plasmid as deposited with American Type Culture Collection as Accession No. 98956; and (d) a polynucleotide encoding the PHELIX protein of claim 1.

31. (Amended) An assay for detecting the presence of a PHELIX polynucleotide in a biological sample, comprising

(a) contacting the sample with a polynucleotide probe which specifically hybridizes to the PHELIX cDNA contained within the plasmid as deposited with American Type Culture Collection as Accession No. 98956, or the polynucleotide as shown in FIG. 2 (SEQ ID NO. 1), or the complements thereof; and

(b) detecting the presence of a hybridization complex formed by the hybridization of the probe with PHELIX polynucleotide in the sample, wherein the presence of the hybridization complex indicates the presence of PHELIX polynucleotide within the sample.

REMARKS:

The above amendments enter the Sequence Listing filed in connection with the instant application into the specification and the corresponding SEQ ID NOs into the specification and claims. No new matter has been introduced by the above amendments and entry thereof is respectfully requested.

No fee is deemed necessary in connection with the filing of this Amendment.

Respectfully submitted,

Kenneth K. Sharples
Registration No. 35,355
Attorney for Applicants
Law Office of Kenneth K. Sharples
80 Fourth Street, Suite 202 P.O. Box 277
Point Reyes Station, California 94956
415/663-0323